

# TST 101

## Introduction to Acquisition Workforce Test and Evaluation

**I**ntroduction to Acquisition Workforce Test and Evaluation emphasizes the basic test and evaluation (T&E) principles, policies, organizations, processes, and practices used by DoD. The course will prepare the T&E Level I individual to be a contributing member in a program office, Test Range/Lab, or a Service/Agency T&E team and will serve as the basis upon which to build T&E skills.

The types of testing covered in this course are developmental, operational, and live-fire.

**Objectives:** Students who successfully complete this course will be able to:

- capably interact with program managers and other team members regarding T&E issues and more effectively function within the acquisition process;
- thoroughly understand the role of T&E as a feedback mechanism and management tool for the systems engineering and development process; and
- understand DoD T&E policies, process, procedures, and development of a Test and Evaluation Strategy (TES) and a Test and Evaluation Master Plan (TEMP).

**Who Should Attend:** This course is designed for individuals who work in the T&E career field such as T&E team members; engineers, scientists, operations research analysts, system analysts, computer scientists; and other degree-holding technical personnel who plan, perform, and manage T&E tasks in support of acquisition. Attendees should have at least 1 year of acquisition experience.

**Prerequisite:** ACQ 101, SYS 101\*, and Modeling and Simulation in Systems Engineering (CLE 011) continuous learning module, available at <http://clc.dau.mil> (\*required upon new course implementation)

**Length:** This is a non-Resident, self-paced course that is available through the Internet. Students must complete the course within 60 calendar days of the start date.

**Method of Delivery:** Distance Learning—See “Course Offerings” on page 10



**PDS Code:** PC5

# TST 202

## Intermediate Test and Evaluation

**T**his course builds upon the student's test and evaluation (T&E) knowledge, skills, and abilities relating to DoD policies, organizations, processes, and practices. Problem-solving situations engage students in the use of T&E concepts, principles, and theories. Course topics include the role of T&E in systems acquisition, T&E planning, experimental design, measurement of systems effectiveness and suitability, instrumentation, and data collection and management. Also covered are reliability, maintainability, and availability of systems; analysis and evaluation; live fire; software; modeling and simulation; and T&E of alternative acquisitions.

The course will prepare the individual for leadership roles such as the T&E Lead for a Program Manager's Office, team leader of government testers or evaluators, or Service/agency headquarters T&E branch chief.

**Objectives:** Students who successfully complete this course will be able to:

- identify current laws, policy, and guidance for T&E;
- identify source documents for systems engineering and T&E requirements;
- develop T&E objectives and issues, a Test and Evaluation Strategy (TES), a Test and Evaluation Master Plan (TEMP), and Test Plans;
- apply appropriate tools and techniques (e.g., modeling and simulation) for conducting developmental and operational T&E in support of systems development;
- identify techniques for designing simple experimental processes; and
- perform elementary analytical procedures on test data.

**Who Should Attend:** T&E team members; T&E leads for programs; and Service/agency/facility T&E managers, engineers, scientists, operations research analysts, system analysts, and computer scientists should attend. Other degree-holding technical personnel who plan, perform, and manage T&E tasks in support of acquisition will benefit from this course. Attendees should have at least two years of T&E experience.

**Prerequisites:** ACQ 201 A&B, SYS 202\* and TST 101 (\*required upon new course implementation)

**Precourse Assignment:** Students must identify a T&E-related issue, discuss the issue, and propose a solution.

**Length:** 5 class days

**Method of Delivery:** Resident/Local

**PDS Code:** QMI

